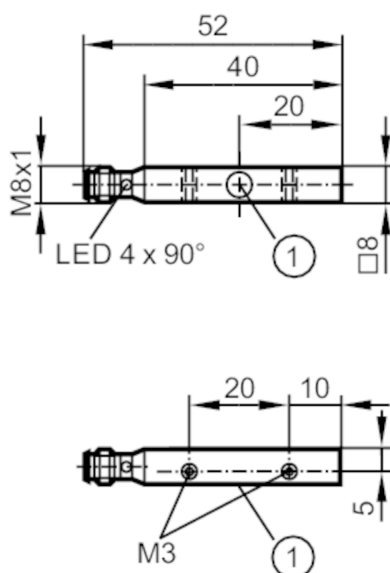


Inductive sensor

ILA3002-APKG/MITTIG/AS514TPORT

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1 Sensing face



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	1.5
Housing	rectangular
Dimensions [mm]	40 x 8 x 8

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	1.6
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	1.5
Real sensing range Sr [mm]	1.5 ± 10 %

IL5013



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Operating distance	[mm]	0...1.2
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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 8 x 8
Materials		brass white bronze coated; LCP
Tightening torque	[Nm]	1; (insertion depth: > 5 mm)

Displays / operating elements

Display	switching status	1 x LED, red
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A



Connection

